

Purchasing Verizon Wireless Mobile Learning Devices Through 6360

Initial Device Costs

- There are several different types of netbooks available to the district and they include Gateway, Samsung, and HP. HP is currently the only devices available on the WNYRIC standards list.
- The devices range in cost from \$29.99 – \$99.99. These costs will change as Verizon's inventory changes. New versions of netbooks continue to emerge on a regular basis.
- If a district does a bulk order (100 or more) the initial cost of the netbook is free.
- Districts will be provided with spare netbooks at the cost of the device. These spare netbooks will not have the data plan activated until needed. If a netbook is damaged, lost, or stolen they can be swapped out with the spare devices.
- In the event of damage the district would send the damaged device back to BOCES for inventory purposes and activate a spare device.
- There is no early termination fee if a district decides to cancel prior to the 10 months of service, but the devices would need to be returned to Verizon.
- Other Mobile Learning Devices – not currently available
 - Current cost for the Fathom Smart Phone is \$59.99 per device.
 - iPads are currently available at normal consumer cost. Other tablet devices will also become available. (more info as they become available)

E-rate Eligibility

- If the devices are going home with the students they are not eligible for e-rate.
- If the devices stay in the building, part of the cost may be eligible. Verizon will breakdown the cost of the data plan, filtering, and the device. Those costs will assist BOCES in determining how much of the monthly cost is eligible for e-rate funding.

Filtering

- Verizon does provide 4 levels of filtering but only while the data plan is in use. If the devices are taken to a location with wifi and the wifi is used the device is unfiltered.
- M86 client works on the netbooks with Microsoft OS. Current cost \$8.80 per device through BOCES.
- M86 needs a unique static IP address – which Verizon can provide.
- M86 allows netbook to be filtered whether using data plan or wifi.
- M86 will filter at the same level that is set up for the school building.
- M86 allows for reporting and districts may block or unblock sites.
 - M86 Security – This solution which is available through the WNYRIC has the following:
 - All network connections are filtered no matter where the device connects (need a static IP from Verizon for the cell modem).
 - Fully customizable filtering levels.
 - Fully customizable and detailed reports.

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- Same interface for customization that you have been using for District PC's.
- Mobile client is installed on the individual netbook to perform the filtering restrictions.
- Verizon Filtering – This solution has the following:
 - 4 different filtering levels :
 - C 7+: content recommended for children aged 7 and older
 - T 13+: content recommended for teens aged 13 and older
 - YA 17+: content recommended for young adults aged 17 and older
 - No Filter: content recommended for adults aged 18 and over
 - These levels are not customizable, we can request changes to Verizon but there is no guarantee that they will be implemented.
 - Filtering is only provided on the cell modem, Wi-Fi and wired NIC access is not filtered.
 - Filtering levels C7+ and T13+ cannot access the android market from a Smartphone.
 - There are no reporting features.

Operating System

- Netbook arrives from Verizon with Windows 7 Home Edition.
- The current cost to upgrade to Windows 7 Professional through BOCES is \$46.88 per device.
- Windows Home edition is not on the WNYRIC standards list. It makes the deployment and management of the devices more difficult in a district situation.

Battery Life

- 6 cell batteries - rated for 9 hours (actual approx 6 hours).

Verizon Support and Ordering

- BOCES will fill out the government liability authorization form for each district in order to set up a profile for the district under the BOCES name.

Integration & Staff Development

- Model Schools staff will work with teachers to develop integration strategies.
- Model Schools staff is available to team teach with the teachers as well as develop lessons and projects that will integrate the devices into the classroom.

Data Plan

- Netbooks - \$39.99 monthly per device
- Smart Phones - \$34.99 monthly per device – not currently available through 6360
- Districts must suspend data plans for the summer months or the monthly costs will apply.

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- Districts can choose to pay throughout the summer for the teacher devices. This intention should be included in the narrative of the project.
- The data plan & devices are purchased through the OGS contract under CoSer 6360.

Upgrades

- Districts are able to upgrade their current devices every 10 months.
- Current cost of upgrade - \$19.99 per device
- It is not necessary for districts to return the used devices to Verizon.

Antivirus

- The netbooks currently arrive with a 60 day free antivirus trial.
- Districts will need to work through BOCES to purchase an antivirus solution for the netbooks.

Service Coverage

- Devices are 3G
- Coverage is provided across the entire country
 - Verizon monitors capacity and adds as needed
- 5-12 MB/Sec download, 2-5 MB/Sec upload
- 4G (LTE) rolling out to 38 cities later in 2010, Rochester is only upstate NY region
 - Entire country by 2013

Network Connections

- Every device will have it's own unique static IP address
- 3 options for diverting traffic from device to WNYRIC network before Internet, if necessary
 - VPN tunnel via internet to BOCES owned system - \$0
 - Purchase private T1 to New Jersey data center, connecting to specific Cisco 1841 router at BOCES. Cost is associated with the Cisco device. Monthly T1 charges are incurred. Not the most viable option due to capacity.
 - Purchase MPLS service over TLS (Transparent LAN Service) connection to New Jersey. This probably has best capacity scaling but incurs the most cost. BOCES can start with 10 meg service and grow it as needed. BOCES has monthly recurring cost, but should be able to plug into existing network switch infrastructure.

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Verizon Wireless Exclusive Age-Appropriate Content Ratings

Ages 7+	Ages 13+	Ages 17+	Filters Off
<p>This material contains little or no violence, no strong language, no drug use, limited alcohol or tobacco use, no modeling content, little or no sexual dialogue and situations and no themes of a mature nature. This content is considered suitable for children age 7 and above and parents can comfortably allow this content to be accessed by children 7 and above unattended.</p>	<p>This material may contain mild coarse language, moderate violence, mildly suggestive lingerie, drug use depicted without being designed to encourage use, some sexuality or suggestive dialogue or themes that may not be appropriate for younger children. This content would be considered suitable for children 13 and above by most parents. Parents are cautioned against allowing children under 13 to access or view this content unattended.</p>	<p>This content may contain one or more of the following: crude language, graphic violence, sexual situations, criminal activity, drug abuse, sexual situations without nudity or themes that may not be appropriate for younger youth. Many parents would consider this material unsuitable for children under 17 and parents are strongly cautioned against allowing children under 17 to access or view this content.</p>	<p>Turning off the content filter provides access to all content accessible through your mobile phone, including content that you may consider objectionable due to the ages of your children or your personal desire to avoid certain types of content.</p> <p>Please note: Some content may require additional authentication and/or age verification prior to access, download, use or purchase.</p>